

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently amended): Starting system for internal combustion engine comprising pressurized fuel supply means, accumulator means supplied with pressurized fuel by said supply means, and at least one injection means supplied with fuel by the accumulator means, a pressurized fuel storage device supplied thanks to the pressure existing in said accumulator means and adapted to supply said stored fuel at start-up, the storage device, in direct communication with said accumulator means, comprising at least one storage means and control means,

_____ wherein said control means comprise electromagnetic opening means, elastic closing means, and an actuator means controlled selectively by said electromagnetic means and said elastic means so as to limit the energy to be supplied to control said starting system to make it possible for said engine to start up more rapidly,

and wherein the elastic means authorizes passage of the fuel into the storage means when the pressure reaches a minimum threshold in the accumulator means.

2. (Previously presented): System according to claim 1, wherein the electromagnetic means comprise a coil generating a magnetic field adapted to move the actuator means and

whose inner diameter forms a tunnel between said at least one storage means and the accumulator means.

3. (Previously presented): System according to claim 1, wherein the elastic means comprise a spring, a hollow plate fixed between said electromagnetic means and said storage means, and a ball adapted to block the hollow of said plate and integral with said spring, enabling the communication between the accumulator means and said at least one storage means, depending on the relative pressures between the two.

4. (Previously presented): System according to claim 3, wherein the actuator means comprises a first rod located essentially on the central axis of said tunnel formed by the coil, a plate fixed essentially perpendicularly to an extremity of said first rod, and a second rod that, as an extension of the other extremity of the first rod, is in contact with said ball and has a diameter smaller than said hollow of the plate, making it possible to follow or to initiate the movement of said ball.

5. (Previously presented): System according to claim 4, wherein the plate further comprises at least one groove adapted to let fuel pass in its hollow when said plate is against said electromagnetic means.

6. (Previously presented): System according to claim 1, wherein the supply means comprise a pump supplying fuel to said accumulator means and an anti-backflow valve authorizing a fuel circulation direction only from the pump toward said accumulator means.

7. (Previously presented): System according to claim 2, wherein the elastic means comprise a spring, a hollow plate fixed between said electromagnetic means and said storage means, and a ball adapted to block the hollow of said plate and integral with said spring, enabling the communication between the accumulator means and said at least one storage means, depending on the relative pressures between the two.

8. (Previously presented): System according to claim 7, wherein the actuator means comprises a first rod located essentially on the central axis of said tunnel formed by the coil, a plate fixed essentially perpendicularly to an extremity of said first rod, and a second rod that, as an extension of the other extremity of the first rod, is in contact with said ball and has a diameter smaller than said hollow of the plate, making it possible to follow or to initiate the movement of said ball.

9. (Previously presented): System according to claim 8, wherein the plate further comprises at least one groove adapted to let fuel pass in its hollow when said plate is against said electromagnetic means.

10. (Previously presented): System according to claim 2, wherein the supply means comprise a pump supplying fuel to said accumulator means and an anti-backflow valve authorizing a fuel circulation direction only from the pump toward said accumulator means.

11. (Previously presented): System according to claim 3, wherein the supply means comprise a pump supplying fuel to said accumulator means and an anti-backflow valve authorizing a fuel circulation direction only from the pump toward said accumulator means.

12. (Previously presented): System according to claim 4, wherein the supply means comprise a pump supplying fuel to said accumulator means and an anti-backflow valve authorizing a fuel circulation direction only from the pump toward said accumulator means.

13. (Previously presented): System according to claim 5, wherein the supply means comprise a pump supplying fuel to said accumulator means and an anti-backflow valve authorizing a fuel circulation direction only from the pump toward said accumulator means.

14. (Previously presented): System according to claim 7, wherein the supply means comprise a pump supplying fuel to said accumulator means and an anti-backflow valve authorizing a fuel circulation direction only from the pump toward said accumulator means.

15. (Previously presented): System according to claim 8, wherein the supply means comprise a pump supplying fuel to said accumulator means and an anti-backflow valve authorizing a fuel circulation direction only from the pump toward said accumulator means.

16. (Previously presented): System according to claim 9, wherein the supply means comprise a pump supplying fuel to said accumulator means and an anti-backflow valve authorizing a fuel circulation direction only from the pump toward said accumulator means.

17. (New): System according to claim 1, wherein the electromagnetic opening means and the elastic closing means are mechanically linked.

18. (New): System according to claim 1, wherein the electromagnetic means and the elastic closing means are on a same conduit between said storage means and said accumulator means.